WHAT IS CLAIMED IS:

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- 1. A laser emitter comprising:
- a first lens barrel portion for holding a first laser element;
- 5 a second lens barrel portion, of which an optical axis is slanted with respect to an optical axis of the first lens barrel portion, for holding a second laser element, the second lens barrel portion being provided as one unit with the first lens barrel portion;
 - a first lens supporting portion provided at a tip of the first lens barrel portion to support a first collimator lens; and
- a second lens supporting portion provided at a

 tip of the second lens barrel portion to support a

 second collimator lens,

wherein the first and second lens supporting portions can support the collimator lenses with adjustment ranges stretching in optical axial directions, respectively, and the first and second collimator lenses are fixed and supported at positions adjusted within the adjustment ranges, respectively.

25 2. A laser emitter according to claim 1, wherein the first and second collimator lenses are bonded to the first and second lens supporting

portions, respectively.

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- 3. A laser emitter according to claim 1, wherein the first and second lens supporting portions partially support circumferential surfaces of the collimator lenses.
- A laser emitter according to claim 3,
 wherein the first and second lens supporting portions
 have plural projections that are projected from the tips of the lens barrel portions.
- 5. A laser emitter according to claim 4,
 wherein the plural projections partially support the
 circumferential surfaces of the collimator lenses.
 - 6. A laser emitter according to claim 1, wherein the first and second laser elements are fixed to a common electric substrate and are fixed by press fit to the first and second lens supporting portions.
 - 7. A laser emitter according to claim 1, wherein the first and second lens supporting portions have at their tips diaphragm portions for shaping a shape of laser light.
 - 8. A laser emitter according to claim 1,

wherein optical axes of first and second laser beams emitted from the laser emitter are slanted with respect to each other to bring the first and second laser beams close to each other.

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9. A laser scanning device comprising:

a laser unit for emitting first and second laser beams, the laser unit having: a first lens barrel portion for holding a first laser element that emits the first laser beam; a second lens barrel portion for holding a second laser element that emits the second laser beam of which an optical axis is slanted with respect to an optical axis of the first laser beam; a first lens supporting portion provided at a tip of the first lens barrel portion to support a first collimator lens; and a second lens supporting portion provided at a tip of the second lens barrel portion to support a second collimator lens, wherein the first and second lens supporting portions can support the collimator lenses with adjustment ranges stretching in optical axial directions, respectively, and the first and second collimator lenses are fixed and supported at positions adjusted within the adjustment ranges, respectively; and

a rotary mirror for running the first and second laser beams, which are brought close to each other by exiting the laser unit, together.

10. A laser scanning device according to claim 9, wherein the first and second collimator lenses are bonded to the first and second lens supporting portions, respectively.

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11. A laser scanning device according to claim 9, wherein the first and second lens supporting portions partially support circumferential surfaces of the collimator lenses.

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12. A laser scanning device according to claim
11, wherein the first and second lens supporting
portions have plural projections that are projected
from the tips of the lens barrel portions.

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13. A laser scanning device according to claim12, wherein the plural projections partially supportthe circumferential surfaces of the collimator lenses.

14. A laser scanning device according to claim

9, wherein the first and second laser elements are fixed to a common electric substrate and are fixed by press fit to the first and second lens supporting

portions.

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15. A laser scanning device according to claim9, wherein the first and second lens supporting

portions have at their tips diaphragm portions for shaping a shape of laser light.

16. A laser scanning device according to claim59,

wherein the laser unit has a holder portion that is unified with the first and second lens barrel portions, and

wherein the holder portion is provided with a

10 synchronization detecting portion for detecting

synchronous timing of laser beams and a slit for

restricting a light flux that is incident on the

synchronization detecting portion.

17. A laser scanning device according to claim
9, wherein the laser scanning device is used in an
electrophotographic apparatus to expose a charged
photosensitive member to light for forming an image.